

1270

1A-30-045-23699

5-30-045-21040

E

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NW Sec. 21 Twp 28 Rng 8

Name of Well/Wells or Pipeline Serviced GRAMBLING A #1A, #5
cps 1558w

Elevation 5753' Completion Date 9/15/81 Total Depth 340' Land Type* N/A

Casing, Sizes, Types & Depths 66' OF 8" CASING

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 20' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: 4080 lbs.

Depths anodes placed: 325', 315', 305', 295', 285', 275', 265', 255', 245', 235'

Depths vent pipes placed: 340'

Vent pipe perforations: 320'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

2 X 60 ANODES

Completion Date 9-15-81

Well Name GRAMBLING A#1A GRAMBLING A#5		Location NW 21-28-8		CPS No. 1558-W	
Type & Size Bit Used 6 3/4				Work Order No. 57639-21 55281-19	
Anode Hole Depth 340' 1099' 340'	Total Drilling Rig Time	Total Lbs. Coke Used 4080	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1 325	# 2 315	# 3 305	# 4 295	# 5 285
Anode Depth	# 6 275	# 7 265	# 8 255	# 9 245	# 10 235
Anode Output (Amps)	# 1 4.6	# 2 5.0	# 3 5.6	# 4 5.9	# 5 4.9
Anode Output (Amps)	# 6 4.3	# 7 5.2	# 8 5.8	# 9 6.5	# 10 5.6
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Depth	# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance	Volts 11.9		Amps 21.8		Ohms .54
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

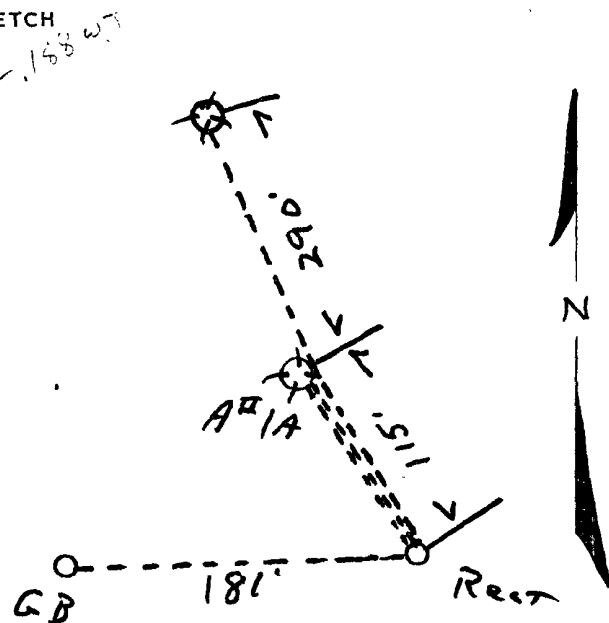
Remarks: STATIC - GRAMBLING A#1A 600' SE .84, GRAMBLING A#5 .84
SET 22' of 8" CASING. WATER STANDING AT BOTTOM OF CASING.
INSTALLED 340' of 1" VENT PIPE, PERFORATED 320' of VENT PIPE
SLURRY 4080 lbs. of COKE DRILLED WITH MUD. CAME OUT OF
WITH PIPE & HOLE CAVED IN. PULLED 22' of casing & RESET 66' of 8" CASING

1 60V 30A Rect. ✓
1 20' METER POLE ✓
DITCH & 1 cable - 586' ✓
EXTRA cable - 255' ✓
HOLE DEPTH - 160' ✓

All Construction Completed

Walter Knight Jr.
(Signature)

GROUND BED LAYOUT SKETCH



Rig Time TO
SET CASING & CLEAN 6 HRS. 9-16-81 ✓
OUT HOLE.
Add. 3 HRS. FOR STORY DRILLING
See ATTACHED DRILLING LOG. 8-24-81 ✓

Time	Req	O.T
9-15-81	8	2 ✓
9-16-81	8	4 ✓

DISTRIBUTION:

WHITE - Division Corrosion Office
YELLOW - Area Corrosion Office
PINK - Originator File

5753

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: 7-15-8 of 1
Date: 7-15-8
By: WR
File:

Grambling A^{#1A} W/D 57659-21
Grambling A^{#5} W/D 55281-19
NW 21-28-8
CPS 1558-W

Static 600' SE .84
Static .84

MW	gals/mol
16.04	C ₁ 6.4
30.07	C ₂ 10.12
44.10	C ₃ 10.42
58.12	iC ₄ 12.38
58.12	nC ₄ 11.93
72.15	iC ₅ 13.85
72.15	nC ₅ 13.71
86.18	iC ₆ 15.50
86.18	C ₆ 15.57
100.21	iC ₇ 17.2
100.21	C ₇ 17.46
114.23	C ₈ 19.39
28.05	C ₂ 9.64
42.08	C ₃ 9.67

1 60V 30A Rect
1 20' meter Pole
Ditch & 1 cable - 586'
EXTRA cable - 255'
Hole Depth - 160'

Casing set at 22' water standing
in Btm. No water sample. Drill
340', came out of hole, Hole
fell in. Pulled 22' of casing
Reset 66' of 8" casing.
Installed 340' of 1" vent pipe.
Perforated 320' of vent pipe.
Slurried 4080 lbs of coke

80	1.40	05	1.30	30	3.60
85	1.60	10	1.90	35	3.60
90	1.70	15	2.50	40	3.60 TD
95	1.40	20	3.50	45	
100	1.40	25	3.50	50	
05	1.50	30	4.00		
10	1.30	35	3.70 ⑩		
15	1.30	40	4.20		
20	1.40	45	4.40 ⑨		
25	1.50	50	3.90		
30	1.30	55	3.60 ⑧		
35	1.30	60	3.20		
40	1.30	65	3.30 ⑦		
45	1.20	70	2.80		
50	1.20	75	2.70 ⑥		
55	1.40	80	3.00		
60	1.40	85	3.20 ⑤		
65	1.50	90	3.90		
70	1.30	95	3.90 ④		
75	1.20	100	3.90		
80	1.50	05	3.70 ③		
85	1.70	10	3.80		
90	1.70	15	3.00 ②		
95	1.80	20	2.90		
100	1.50	25	3.20 ①		

MW	MISC.	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

① 325	3.20	4.60
② 315	3.50	5.00
③ 305	3.90	5.60
④ 295	4.10	5.90
⑤ 285	3.20	4.90
⑥ 275	2.80	4.30
⑦ 265	3.40	5.20
⑧ 255	3.90	5.80
⑨ 245	4.60	6.50
⑩ 235	4.10	5.60

11.90 V
21.8 A
154 -L

Lang 3 MBL